BEST AVAILABLE COPY

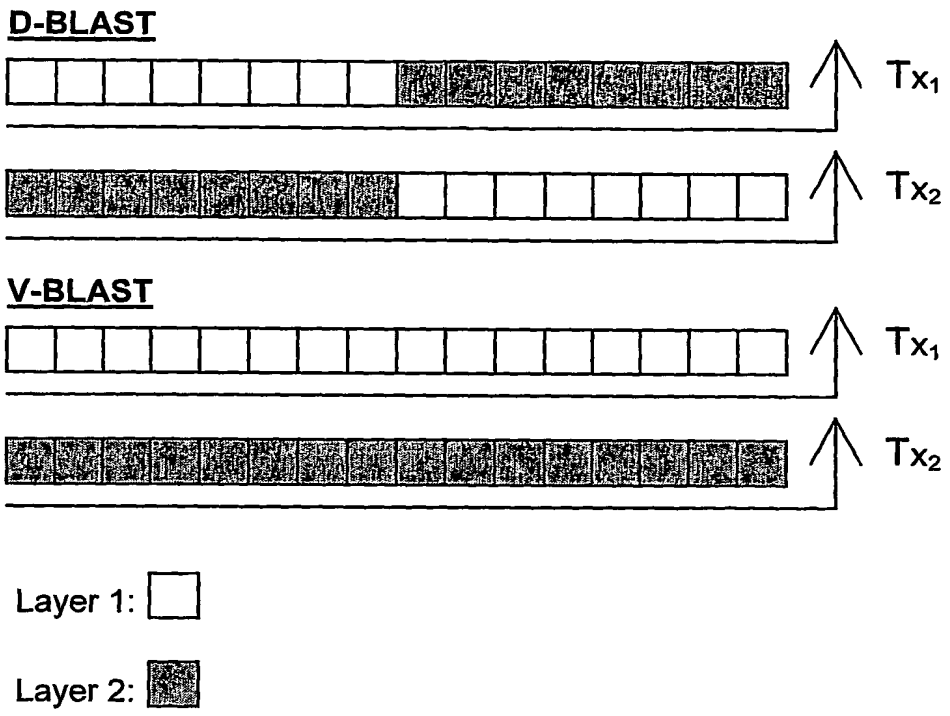

Fig. 1

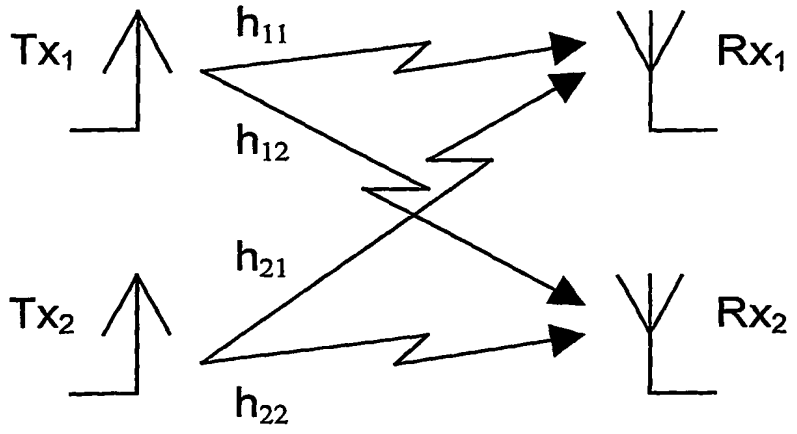

Fig. 2

BEST AVAILABLE COPY

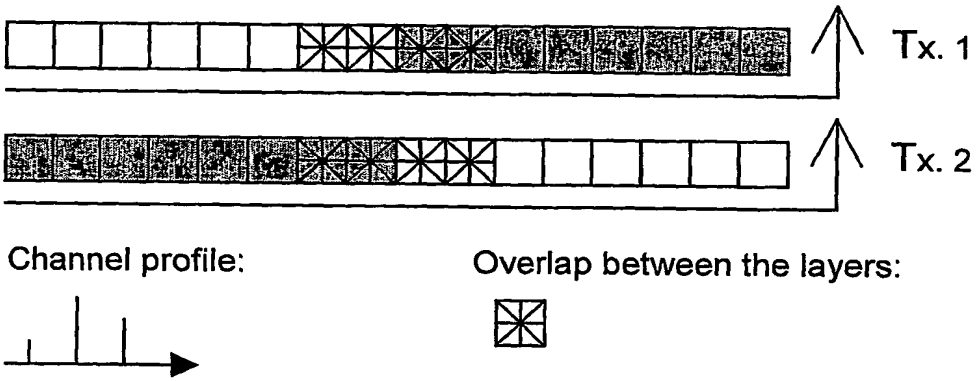

Fig. 3

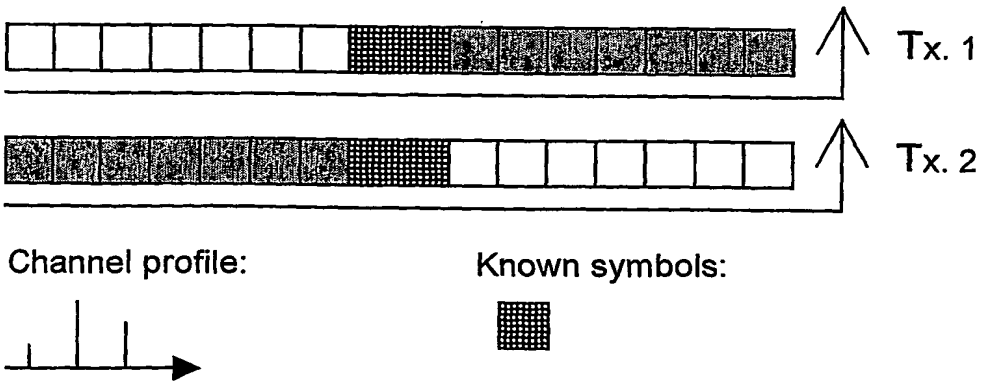

Fig. 4

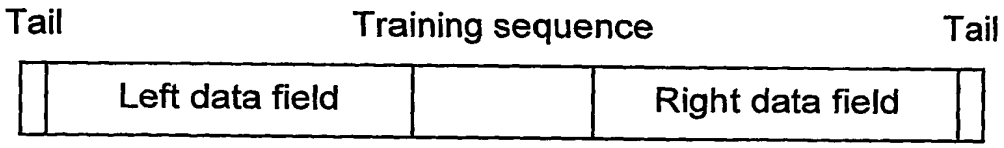
Tail
Training sequence
Tail
Left data field
Right data field

Fig. 5

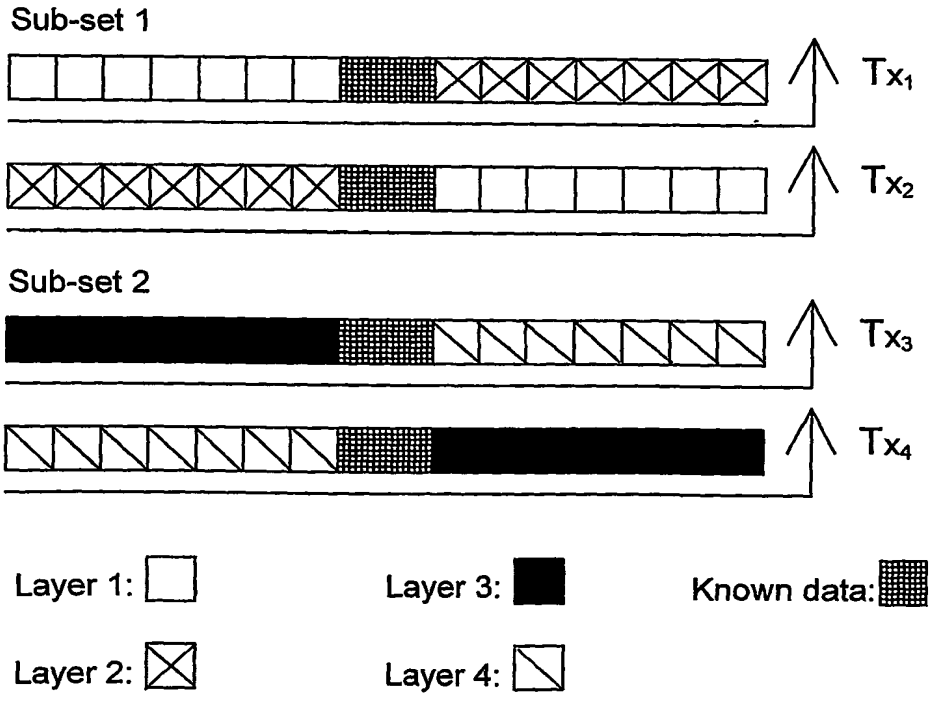
Sub-set 1
Tx1
Tx2
Sub-set 2
Tx3
Tx4
Layer 1:
Layer 3:
Known data:
Layer 2:
Layer 4:

Fig. 6

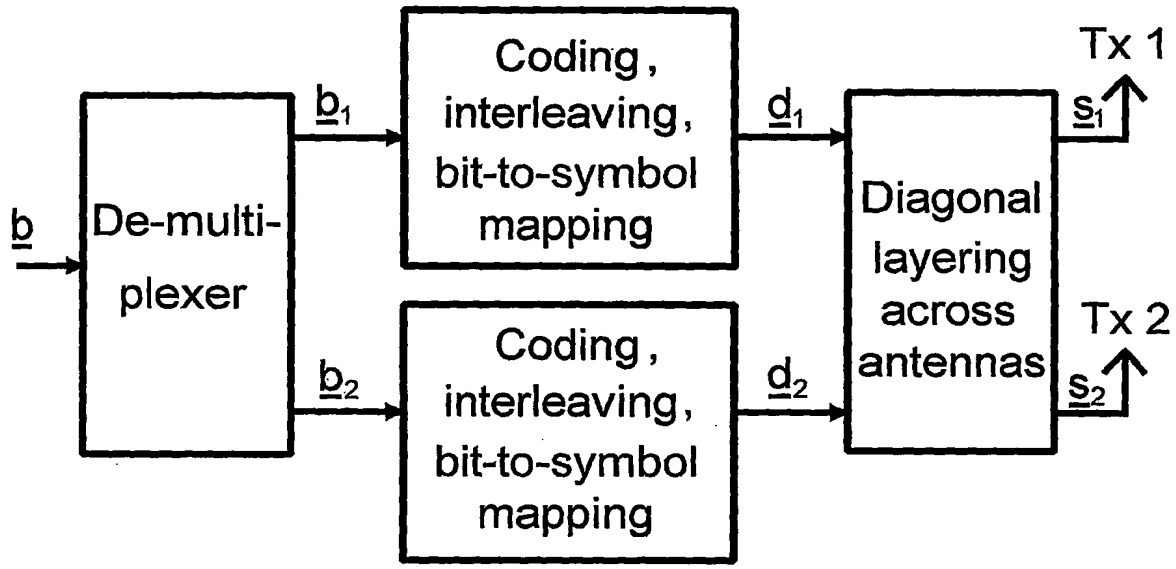
b
De-multi-plexer
b1
b2
Coding, interleaving, bit-to-symbol mapping
Coding, interleaving, bit-to-symbol mapping
d1
d2
Diagonal layering across antennas
Tx 1
Tx 2
s1
s2

Fig. 7

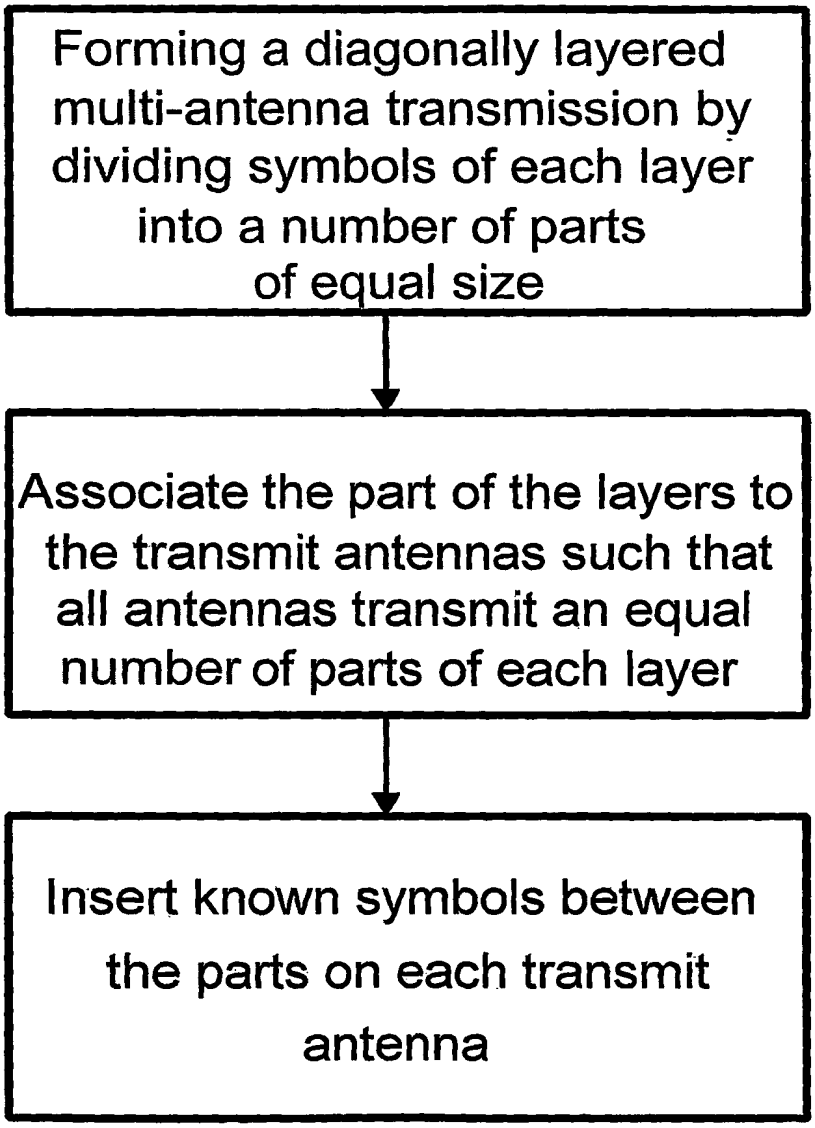
Forming a diagonally layered multi-antenna transmission by dividing symbols of each layer into a number of parts of equal size
Associate the part of the layers to the transmit antennas such that all antennas transmit an equal number of parts of each layer
Insert known symbols between the parts on each transmit antenna

Fig. 8